PAL to NTSC (NTSC to PAL) Video Converter

Convertor (CDM-600)



Operation Manual

SONOSELF
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Introduction

This unit is a digital multi-system video converter that converts video signals from NTSC, PAL, or SECAM to NTSC or PAL. It is suitable for home applications.

Precautions

1. Do not expose this product to direct sunlight.
2. Keep the unit away from radiator, heat sources and magnetic field.
3. Do not place it in very dusty or humid locations.
4. Use this unit in a horizontal position only.
5. Do not put heavy objects on top of the converter.
6. Put the unit in an open space that has good ventilation.
7. If the unit is acting abnormally keep the unit away from TV or other electronic equipment.
8. Unplug the unit from the power supply when it is not to be used for a long period of time.

Features

- Full digital processing: 2M bit field memory.
- Automatic input system detection.
- Stylish, compact package, excellent for portable application.
- Digital conversion from input TV signals NTSC, PAL or SECAM to output signals NTSC or PAL.
- Built in Time Base Corrector (TBC) for signal synchronization.
- Built in Automatic Gain Control (AGC) function ensures 1 Vp-p output signal.

Operation controls and functions

Front Panel



1. **AUTO indicator-** This indicator will light when in Auto detecting mode.
2. **PAL indicator-** This indicator will light when input signal is PAL.
3. **SECAM indicator-** This indicator will light when input signal is SECAM.
4. **NTSC 3.58 indicator-** This indicator will light when input signal is N3.
5. **NTSC 4.43 indicator-**This indicator will light when input signal is N4.

Rear Panel



1. **DC Power supply 15 V input-** This is the power supply input port. It is to be used with the power pack supplied.
2. **Video Input-** This is the video input port. Connect your input device to the video input port using a composite RCA connector cable.
3. **Input signal detecting mode switch-** Auto represents automatic detecting mode. M represents manual-detecting mode.
4. **Input system select switch-** When in M-mode, set the switch to match the actual input signal type. (PAL, SECAM, NTSC 3.58, NTSC 4.43).
5. **Video output-** This is the video output port. Connect your output device to the video output port using a composite RCA connector cable.
6. **Output system select switch-** Set the switch to the type of signal you wish to output. You may select either PAL or NTSC.

Connection and Installation

The AC adaptor power unit should not be plugged into a wall outlet until all connections are complete.

- Using your connector cable connect the output (Number 5 on the rear panel) to your output device (NTSC or PAL Video Recorder or TV).
- Using your connector cable connect your input (Number 2 on the rear panel) to the input device (Video cassette recorder either- PAL, NTSC or SECAM, satellite receiver or a camcorder).
- Choose either Auto or Manual as your input detecting mode switch. When in M-mode (manual), set the switch to match the actual input signal type. (PAL, SECAM, NTSC 3.58, NTSC 4.43).

Once all connections are complete please connect the power supply provided to the power socket (number 7 on rear panel).

Specifications

Input TV systems	NTSC 3.58, NTSC 4.43, PAL, SECAM
Output TV systems	NTSC 3.58, PAL (B, D, G, I)
Connection terminals	Video Input: 1 Video Output: 1
Sampling frequency	Y: 14.318 MHz R-Y: 7.159 MHz B-R: 7.159 MHz
Digital Cord Bit	Y: 8 bits R-Y: 8 bits B-R: 8 bits
Line Conversion	525-625 lines
Field Conversion	60-50 fields
Power Supply	DC 15 Volts 450 mA
Dimensions	(W) 236 mm X (D) 130 mm (H) X 45 mm
Weight	600g
Accessory	One set of video/cable, AC adaptor